

It may also be advisable to state that I did not mention the collections of Drs. Horn and LeConte, as most of the material contained in them has already been made use of in the various papers published by these gentlemen.

E. P. Austin.

BIBLIOGRAPHICAL RECORD.

(Continued from page 224.)

The date of publication, here given in brackets [], marks the time at which the work was received by the Editor, unless an earlier date of publication is known to him. An asterisk * before a title is the Recorder's certificate of accuracy of quotation. Corrections of errors and notices of omissions are solicited. — B. PICKMAN MANN.

Nos. 1103 to 1135 are from **Can. Entom.**, v. 8.

* 1103. S. H. PEABODY. Inquiries concerning the genera of Mr. Scudder's "Systematic revision." p. 141-148. [Aug., 1876.]

Analyses in tabular form Scudder's descriptions of the genera of the tribe *Adolescentes*, to show the impracticability of distinguishing the genera; argues that the differences stated are not of more than specific value.

* 1104. W: H. EDWARDS. No. of broods of *Danaus archippus*. p. 148. [Aug., 1876.]

There are at least three broods of *D. archippus* in West Virginia in a year.

* 1105. JA: BEHRENS. Description of a new Saturnian. p. 149. [Aug., 1876.]

Describes *Saturnia (Aglia) mendocino* n. sp., from Cal.

* 1106. A: R. GROTE. Notes on Geometridae. p. 152-154. [Aug., 1876.]

Synonymy of several genera and species.

* 1107. L. F. HARVEY. New Noctuidae. p. 154-156. [Aug., 1876.]

Describes *Mamestra orobia*, *Gortyna appasionata*, *Homoptera stylobata*, *H. mima* = 4 n. spp.

* 1108. A: R. GROTE. New Pyralides. (II.) p. 156-158. [Aug., 1876.]

Describes *Emprepes novalis*, *Mochlocera*, *M. zelleri*, *Zophodia dentata* = 1 n. g., 3 n. spp.; notes on other species.

* 1109. W: H. EDWARDS. Correspondence. p. 160. [Aug., 1876.]

Prof. P. C. Zeller condemns the efforts of lepidopterists to resuscitate Hübner's names.

* 1110. W: H. EDWARDS. Farther notes upon *Argynnis myrina*. p. 161-163. [Oct., 1876.]

[See Rec., no. 515.] Seasons of the broods; description of egg, of larva at each period, and of chrysalis.

* 1111. B: P. MANN. A synonym of *Anisopteryx pometaria*. p. 164. [Oct., 1876.]

Correction of statements in Packard's Monograph of the Phalaenidae.

* 1112. C: E. WORTHINGTON. Notes on certain variations of *Samia cecropia*. p. 165-166. [Oct., 1876.]

Variations in color, in markings and in size.

* 1113. V. T. CHAMBERS. *Tineina*. p. 171-173. [Oct., 1876.]

Describes *Asychna*? *pulvella*, *Elachista cristatella*, *Coleophora nigratineella*, *Gelechia clemensella*, *G. saundersella* = 5 n. spp.

* 1114. JA: BEHRENS. On four new Californian *Hepiali*. p. 174-175. [Oct., 1876.]

Describes *Hepialus sequoiolus*, *H. mendocinulus*, *H. baroni*, *H. lenzi* = 4 n. spp. from Mendocino, Cal.

* 1115. [W: SAUNDERS.] Meetings of the Entomological Club of the American Association for the Advancement of Science. p. 176-180 [Oct.], 181-185. [Nov., 1876.]

Address of the President, review of the year's progress in entomology (by J: L. LeConte); venation of wings of *Anisopteryx*, and variation in imagos (by C: V. Riley and A: R. Grote); report of the committee on nomenclature, and discussion of it; an acarid parasite of *Doryphora* (by C: V. Riley); eggs of ?*Corydalis* (by C: V. Riley); eggs of *Hydrophilus* (by C: V. Riley); pupae of *Calopteron* (by W: Saunders); preservation of larvae for the cabinet; retardation of development; sugaring for *Oecanthus* and *Catocala*; election of officers; a pattern insect-box.

* 1116. MARY E. MURTFELDT. Larva of *Anaphora agrotipennella*. p. 185-186. [Nov., 1876.]

Description of larva, larval habits, and pupa.

* 1117. C: DURY. List of *Catocalae* observed in the vicinity of Cincinnati, Ohio, 1876. p. 187-188. [Nov., 1876.]

Enumerates 40 species and varieties, with remarks.

* 1118. A: R. GROTE. Notes on *Noctuae*. p. 188-190. [Nov., 1876.]

Describes *Ipimorpha subvexa*, *Chytoryza*, *Ch. tecta* = 1 n. g., 2 n. Texan spp.; corrections of his check list [see Rec., no. 345].

* 1119. H. A. HAGEN. On genera. p. 194-198. [Nov., 1876.]

Can. Entom., vol. 8.

Distinction and definition of generic and specific characters; modification of characters by circumstances.

* 1120. W: V. ANDREWS. Correspondence. p. 198. [Nov., 1876.]

Larva of *Catocala badia* on *Myrica cerifera*.

* 1121. J: G. MORRIS. Extract from a letter. p. 198-199. [Nov., 1876.]

[Name of author given as J. C. Morris.] Development of *Samia cynthia* pupa retarded three or four years; abundance of *Scaphinotus elevatus*.

* 1122. JA: ANGUS. Important captures. p. 199-200. [Nov., 1876.]

Catocala marmorata (partly re-described), *C. atarah*, *C. amasia*, taken at West Farms, N. Y.; abundance of *Catocala* this season.

* 1123. JA: BEHRENS. How do specialists prefer to receive material? p. 200. [Nov., 1876.]

Dr. H: de Saussure prefers Hymenoptera not spread, V. T. Chambers is satisfied with Tineidae not pinned; how is it with other persons?

* 1124. MARY E. MURTFELDT. An experiment with a stinging larva. p. 201-202. [Dec., 1876.]

Painful effects of being stung with hairs of *Lagoa opercularis* larva; description of the larva after its last larval moult.

* 1125. W: H. EDWARDS. The preparatory stages of *Lycaena comyntas*. p. 202-205. [Dec., 1876.]

Eggs obtained and larvae raised on *Desmodium marilandicum* and on *Trifolium pratense*; description of egg, of larva at all stages, and of pupa; habits of larva.

* 1126. A: R. GROTE. Notes on certain species of moths. p. 205-208. [Dec., 1876.]

Describes *Homopyralis discalis*, *Conchylis argentifurcatana*, *C. lipeana*, *Eustrotia caduca*, *Selenis monotropa* = 5 n. spp.; proposes the new generic name *Caterva* for *Geometra catenaria* Drury; synonymy of *Phyprospus callitrichoides*.

* 1127. H. H. LYMAN. Notes on the occurrence of *Argynnis idalia* Drury. p. 208-210. [Dec., 1876.]

The majority of females seem to appear several days later than the males.

* 1128. W: SAUNDERS. Annual address of the President of the Entomological Society of Ontario. p. 210-217. [Dec., 1876.]

Account of the various exhibits of insects at the Centennial Exhibition in Philadelphia; minor remarks.

* 1129. V. T. CHAMBERS. *Tineina*. p. 217-220. [Dec., 1876.]

Describes *Lithariapteryx*, *L. abroniaeella*, *Blastobasis gigantella* = 1 n. g., 2 n. spp.; habits of each.

* 1130. C: E. WORTHINGTON. Parasite on *Samia cecropia*. p. 220. [Dec., 1876.]

Several *Ophion macrurum* obtained from cocoons of *Telea polyphemus*; traces of unknown parasites in cocoons of *Samia cecropia*; pupae of the latter species transforming in the second year after formation.

* 1131. W: SAUNDERS. Notes on cantharides. p. 221-228, with one plate. [Jan., 1877.]

Describes and figures eleven North American and two other species of vesicant Coleoptera, related to *Cantharis vesicatoria*; habits and transformations of the latter; eggs and young larva of *Epicauta vittata*.

* 1132. A: R. GROTE. On species of *Catocala*. p. 229-232. [Jan., 1877.]

Describes *C. angusi* n. sp., *C. cerogama* var. *bunkeri* n. var., *C. habilis* var. *basilis* n. var.; notes on several species, especially on *C. relictæ*.

* 1133. T. L. MEAD. Notes on some of the genera of Mr. Scudder's "Systematic revision." p. 232-238. [Jan., 1877.]

Detailed measurements of the proportions of parts in butterflies, used by Mr. Scudder to define genera, intended to show the unreliability of the definitions.

* 1134. G: W. PECK. Observations on Sphingidae. p. 239-240. [Jan., 1877.]

Smerinthus astylus, *S. myops*, *Darapsa versicolor*, and *D. choerilus* double-brooded; larvae of first three partially described.

* 1135. R. BUNKER. Notes on *Vanessa lintnerii*, Fitch. p. 240. [Jan., 1877.]

Describes a specimen, from Rochester, N. Y., resembling in many particulars that described by Dr. Fitch as *V. lintnerii*.

* 1136. **Canadian** entomologist (The). Ed. by William Saunders; assisted by Rev. C. J. S. Bethune, M. A., E. B. Reed, and G. J. Bowles. Vol. 9. London [Ont.], [Entomological Society of Ontario], 1877. [4] + 244 p., 23 × 15.

Contains the articles cited in the Bibliographical record of *PSYCHE*, no. 1137-1266.

* 1137. **Edwards**, W: H. History of *Phyciodes tharos*, a polymorphic butterfly. (Can. entom., 1877, v. 9, p. 1-10, 51-58.)

Can. Entom., v. 9.

Food, seasons, forms, habits and synonyms of *Ph. tharos*, comprising var. *morpheus* and var. *marcia*, perhaps also var. *batesii*; descriptions of egg, of all stages of larva, and of pupa. [Feb., 1877.] [Correction of errata, l. c., p. 30.]

* 1138. **Grote**, A: Radcliffe. Description of a new *Botis* allied to *flavidalis*. (Can. entom., 1877, v. 9, p. 10.)

Describes *B. langdonalis*, n. sp., from Ohio. [Feb., 1877.]

* 1139. **Brodie**, W: Notes on *Meloe angusticollis*. (Can. entom., 1877, v. 9, p. 11-12.)

Food (*Ranunculus acris*), seasons and habits of the imagos. [Feb., 1877.]

* 1140. **Grote**, A: Radcliffe. Notice. (Can. entom., 1877, v. 9, p. 12.)

Specimens and notes wanted for a monograph upon Tortricidae. [Feb., 1877.]

* 1141. **Hagen**, Dr. Hermann A: On *Samia gloveri* and *columbia*. (Can. entom., 1877, v. 9, p. 13.)

The type-specimens seem not to differ specifically; is *S. gloveri* a salt deformity? [Feb., 1877.]

* 1142. **Chambers**, Vactor Tousey. *Tineina*. (Can. entom., 1877, v. 9, p. 13-15.)

Corrections of errata and synonymy; notes upon 7 species. [Feb., 1877.]

* 1143. **White**, Dr. F. Buchanan. Canadian hemiptera wanted. (Can. entom., 1877, v. 9, p. 15-17.)

Directions for collecting hemiptera. [Feb., 1877.]

* 1144. **Edwards**, W: H. Correspondence. (Can. entom., 1877, v. 9, p. 17.)

Priority of appearance of one sex of butterflies to that of the other. [Feb., 1877.]

* 1145. **Brous**, Harry A. On the habits of *Amblychila cylindriciformis*, Say. (Can. entom., 1877, v. 9, p. 18.)

Geographical distribution, habits, food. [Feb., 1877.]

* 1146. **Murray**, W: On capturing *Catocalas* in the day-time. (Can. entom., 1877, v. 9, p. 18-19.)

Haunts and habits of the moths, method of capture. [Feb., 1877.]

* 1147. **Andrews**, W: Valentine. Larva of *Thyrens nesus*. (Can. entom., 1877, v. 9, p. 19-20.)

Description of mature larva and of pupa; habits and food. Makes *Parthenos nubilis* Hübn. the type of a new genus *Catocalirrhus*. [Feb., 1877.]